

# **BookletChart<sup>TM</sup>**

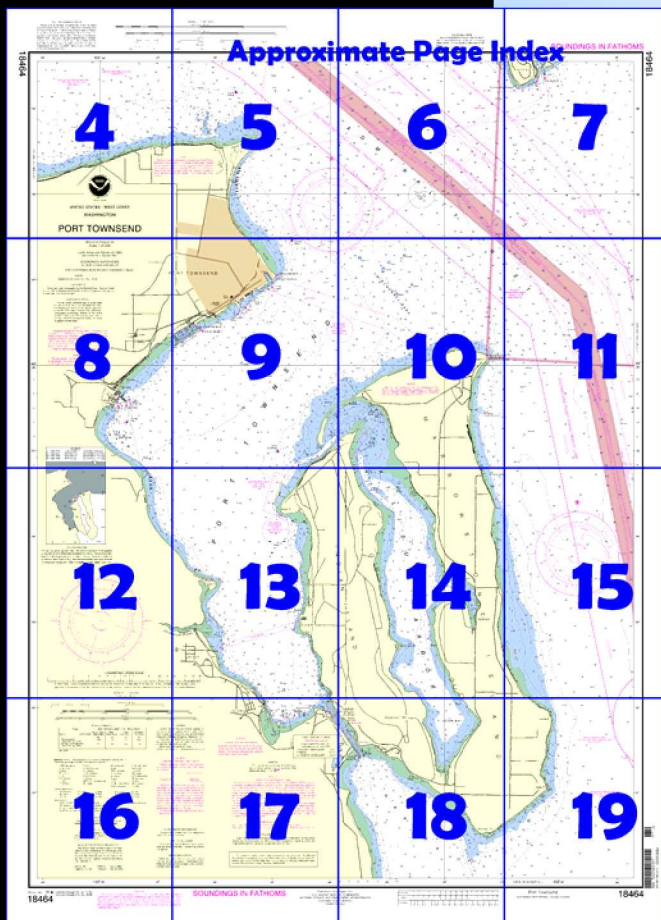
## **Port Townsend**

(NOAA Chart 18464)



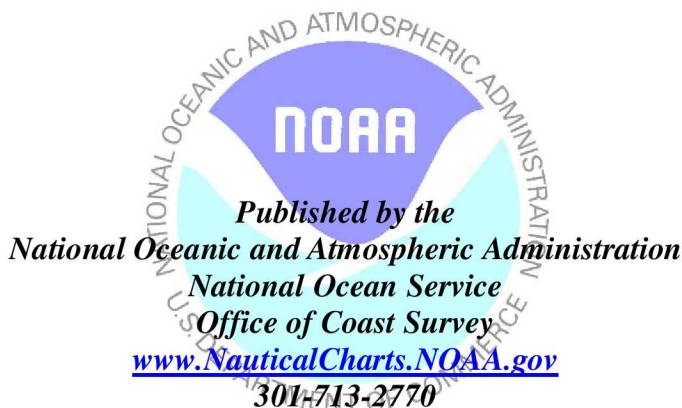
A reduced scale NOAA nautical chart for small boaters. When possible, use the full size NOAA chart for navigation.

- ✓ Complete, reduced scale nautical chart
- ✓ Print at home for free
- ✓ Convenient size
- ✓ Up to date with all Notices to Mariners
- ✓ United States Coast Pilot excerpts
- ✓ Compiled by NOAA, the nation's chartmaker.



*Home Edition (not for sale)*





### What are Nautical Charts?

Nautical charts are a fundamental tool of marine navigation. They show water depths, obstructions, buoys, other aids to navigation, and much more. The information is shown in a way that promotes safe and efficient navigation. Chart carriage is mandatory on the commercial ships that carry America's commerce. They are also used on every Navy and Coast Guard ship, fishing and passenger vessels, and are widely carried by recreational boaters.

### What is a BookletChart™?

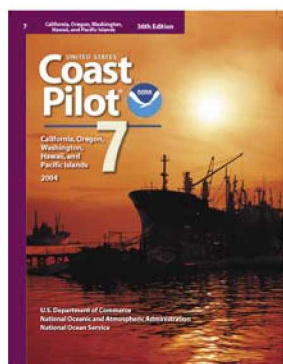
This BookletChart is made to help recreational boaters locate themselves on the water. It has been reduced in scale for convenience, but otherwise contains all the information of the full-scale nautical chart. The bar scales have also been reduced, and are accurate when used to measure distances in this BookletChart. See the Note at the bottom of page 5 for the reduction in scale applied to this chart.

Whenever possible, use the official, full scale NOAA nautical chart for navigation. Nautical chart sales agents are listed on the Internet at <http://www.NauticalCharts.NOAA.gov>.

This BookletChart does NOT fulfill chart carriage requirements for regulated commercial vessels under Titles 33 and 44 of the Code of Federal Regulations.

### Notice to Mariners Correction Status

This BookletChart has been updated for chart corrections published in the U.S. Coast Guard Local Notice to Mariners, the National Geospatial Intelligence Agency Weekly Notice to Mariners, and, where applicable, the Canadian Coast Guard Notice to Mariners. Additional chart corrections have been made by NOAA in advance of their publication in a Notice to Mariners. The last Notices to Mariners applied to this chart are listed in the Note at the bottom of page 7. Coast Pilot excerpts are not being corrected.



### [Coast Pilot 7, Chapter 13 excerpts]

(31) **Point Wilson** is the W point to Admiralty Inlet and Puget Sound.  
 (32) **Point Wilson Light** (48°08'39"N., 122°45'17"W.), 51 feet above the water, is shown from a white octagonal tower on a building on the E extremity of the low point. A fog signal is at the light.  
 (36) **Port Townsend**, immediately S of Point Wilson, is entered between Point Hudson and Marrowstone Point. It extends in a general SSW direction for 2.5 miles, and then turns SSE for 3 miles,

with a reduced width to its head. Inside Point Hudson, depths generally range from 5 to 20 fathoms. It is an excellent harbor and is easily entered, however, mariners are warned to be aware of strong side currents that

exist in Admiralty Inlet. The prevailing winds in summer are from W to SW, and in winter are generally in the SE quadrant.

(37) **Point Hudson**, on the W shore 1.7 miles SSE of Point Wilson, is low and sandy. It is marked by a light and fog signal. The outer limits of the shoal making out from the point are marked by a lighted bell buoy NE of the light.

(38) **Marrowstone Point**, the E point at the entrance to Port Townsend, is low at its extremity, but rises abruptly to a bluff about 120 feet high. The buildings of the former Fort Flagler, now a recreation area of the Washington Parks system, are about 0.5 mile to the S. The fort pier, with depths of about 20 feet at its face, is in poor condition. A fish haven is near the pier in about 48°05'28"N. 122°41'23"W. **Marrowstone Point Light** (48°06'06"N., 122°41'16"W.), 28 feet above the water, is shown from a 20-foot white square structure on the E edge of the point; a fog signal is at the light. Piling of former piers and anchor piling for wartime submarine nets extend up to 500 yards offshore 0.6 and 1.6 miles W of the light.

(39) **Midchannel Bank**, covered 4¾ to 10 fathoms, extends NW from Marrowstone Point about 2 miles toward Point Wilson. The bank has several submerged obstructions and large boulders on the bottom. Due to the nature of the bottom and the existence of cross currents from Admiralty Inlet, the bank is unsuitable for safe anchorage.

(40) **Port Townsend**, the principal town, is on the W shore immediately W of Point Hudson. The depths at the wharves range from 8 to 30 feet along the faces. The only commercial traffic, other than fishing boats and ferries, is at Port Townsend Paper Corporation papermill SW of the town at Glen Cove.

(49) **Point Hudson Harbor**, just W of Point Hudson, is leased by the Port of Port Townsend to a private company. The entrance, protected by jetties, is marked by a private light on the end of the S jetty.

(55) **Glen Cove**, about 2.2 miles SW of Point Hudson, is the site of the Port Townsend papermill, at the N end of the cove. The 480-foot-long pier has reported depths of 30 feet alongside and a deck height of 18 feet. A private light and fog signal, on the seaward end of the pier, are maintained by the mill. A slight current may be encountered, and the use of an anchor is recommended in docking. Fuel oil tankers use the N side of the wharf; paper products are shipped from the S side. The large white building and tall stacks of the mill are prominent, as is the smoke.

(56) A naval restricted area is in the E part of the harbor off **Walan Point** (48°04'18"N., 122°44'47"W.).

(57) **Irondale**, on the W shore about 1.5 miles from the head of the bay, is the site of a former iron foundry. Shoal water extends nearly 0.3 mile from the shore at this place. Log booms extend N 0.8 mile to **Kala Point**, which is marked by a light.

(58) **Port Hadlock**, a village at the head of the harbor, has landings with depths of 10 and 12 feet. The Port of Port Townsend maintains a mooring float during the summer. Gasoline is available in the town. Submerged pilings are in the vicinity of the mooring float, and local knowledge is necessary to avoid them.

(60) **Port Townsend Canal**, Canal, Port Townsend 18471, 18464 a dredged passage giving access to Oak Bay to the SE, is subject to considerable shoaling. In September 1995, the controlling depth was 13 feet. The S entrance is jettied; a light and daybeacon mark the S entrance. A light is at the N entrance.

(63) **Kilisut Harbor**, between **Indian Island** on the W and **Marrowstone Island** on the E, is a narrow inlet extending about 4 miles in a SSE direction. A Navy ammunition depot is on Indian Island. The entrance to Kilisut Harbor is 2.5 miles WSW of Marrowstone Point. The entrance channel is winding. In October 1981, a reported depth of 5 feet was in the entrance channel. A submerged pile is N of the entrance in about 48°05'13"N., 122°44'24"W.; caution is advised when approaching Kilisut Harbor from N. The village of **Nordland** is on the E side of

**Mystery Bay**, a small shallow cove midway on the E side of Kilisut Harbor.

# Table of Selected Chart Notes

Corrected through NM Jul. 01/06  
Corrected through LNM Jun. 20/06

## HEIGHTS

Heights in feet above Mean High Water.

## NOTE C

### NAVAL OPERATING AREAS

Mariners should use caution as naval craft may be maneuvering within the areas. For further information consult Local Notices to Mariners.

## HORIZONTAL DATUM

The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83), which for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 must be corrected an average of 0.673" southward and 4.604" westward to agree with this chart.

## Mercator Projection Scale 1:20,000

North American Datum of 1983  
(World Geodetic System 1984)

## SOUNDINGS IN FATHOMS AT MEAN LOWER LOW WATER

## SUPPLEMENTAL INFORMATION

Consult U.S. Coast Pilot 7 for important supplemental information.

## AIDS TO NAVIGATION

Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.

## CAUTION

### SUBMARINE PIPELINES AND CABLES

Charted submarine pipelines and submarine cables and submarine pipeline and cable areas are shown as:



Additional uncharted submarine pipelines and submarine cables may exist within the area of this chart. Not all submarine pipelines and submarine cables are required to be buried, and those that were originally buried may have become exposed. Mariners should use extreme caution when operating vessels in depths of water comparable to their draft in areas where pipelines and cables may exist, and when anchoring, dragging, or trawling. Covered wells may be marked by lighted or unlighted buoys.

## RADAR REFLECTORS

Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

## CAUTION

Improved channels shown by broken lines are subject to shoaling, particularly at the edges.

## CAUTION

Mariners are warned to stay clear of the protective riprap surrounding navigational light structures shown thus: 

## CAUTION

Temporary changes or defects in aids to navigation are not indicated on this chart. See Local Notice to Mariners.

## CAUTION

Limitations on the use of radio signals as aids to marine navigation can be found in the U.S. Coast Guard Light Lists and National Geospatial-Intelligence Agency Publication 117.

Radio direction-finder bearings to commercial broadcasting stations are subject to error and should be used with caution.

Station positions are shown thus:  
○ (Accurate location)    ◌ (Approximate location)

## NOAA WEATHER RADIO BROADCASTS

The NOAA Weather Radio stations listed below provide continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.

Seattle, WA	KHB-60	162.55 MHz
Puget Sound, WA	WWG-24	162.425 MHz

## NOTE A

Navigation regulations are published in Chapter 2, U.S. Coast Pilot 7. Additions or revisions to Chapter 2 are published in the Notice to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 13th Coast Guard District in Seattle, Washington or at the Office of the District Engineer, Corps of Engineers in Seattle, Washington.  
Refer to charted regulation section numbers.

## NOTE B

Mariners are cautioned that the Washington State Ferries may deviate from the published standard routes due to inclement weather, traffic conditions, navigational hazards or other emergency conditions.

## PRINT-ON-DEMAND CHARTS

NOAA and its partner, OceanGrafix, offer this chart updated weekly by NOAA for Notices to Mariners and critical corrections. Charts are printed when ordered using Print-on-Demand technology. New Editions are available 5-8 weeks before their release as traditional NOAA charts. Ask your chart agent about Print-on-Demand charts or contact NOAA at 1-800-584-4683, <http://NauticalCharts.gov>, [help@NauticalCharts.gov](mailto:help@NauticalCharts.gov), or OceanGrafix at 1-877-56CHART, <http://OceanGrafix.com>, or [help@OceanGrafix.com](mailto:help@OceanGrafix.com).

## WARNING

The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

Additional information can be obtained at [nauticalcharts.noaa.gov](http://nauticalcharts.noaa.gov).

## SOURCE DIAGRAM

The outlined areas represent the limits of the most recent hydrographic survey information that has been evaluated for charting. Surveys have been banded in this diagram by date and type of survey. Channels maintained by the U.S. Army Corps of Engineers are periodically resurveyed and are not shown on this diagram. Refer to Chapter 1, United States Coast Pilot.

## AUTHORITIES

Hydrography and topography by the National Ocean Service, Coast Survey, with additional data from the Corps of Engineers, Geological Survey, and U.S. Coast Guard.

## CAUTION

This chart has been corrected from the Notice to Mariners (NM) published weekly by the National Geospatial-Intelligence Agency and the Local Notice to Mariners (LNM) issued periodically by each U.S. Coast Guard district to the dates shown in the lower left hand corner. Chart updates corrected from Notice to Mariners published after the dates shown in the lower left hand corner are available at [nauticalcharts.noaa.gov](http://nauticalcharts.noaa.gov).

## COLREGS, 80.1395 (see note A)

International Regulations for Preventing Collisions at Sea, 1972.  
The entire area of this chart falls seaward of the COLREGS Demarcation Line.

## NOTE E

### TRAFFIC SEPARATION SCHEME

One-way traffic lanes overprinted on this chart are RECOMMENDED for use by all vessels traveling between the points involved. They have been designated to aid in the prevention of collisions in the Puget Sound waters, but are not intended in any way to supersede or alter the applicable Rules of the Road. Separation zones are intended to separate inbound and outbound traffic and to be free of ship traffic. Separation Zones should not be used except for crossing purposes. When crossing traffic lanes and separation zones, use extreme caution.

Precautionary Areas have been established where major lanes merge and cross the traffic separation scheme. It is recommended that vessels proceed with caution in these areas. Wherever practical, vessels entering or leaving the system should do so at these precautionary areas. For more information regarding Traffic Separation Scheme procedures and regulations, see 33 CFR 167 and / or chapter 2 of the U.S. Coast Pilot.

## POLLUTION REPORTS

Report all spills of oil and hazardous substances to the National Response Center via 1-800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

This nautical chart has been designed to promote safe navigation. The National Ocean Service encourages users to submit corrections, additions, or comments for improving this chart to the Chief, Marine Chart Division (N/CS2), National Ocean Service, NOAA, Silver Spring, Maryland 20910-3282.

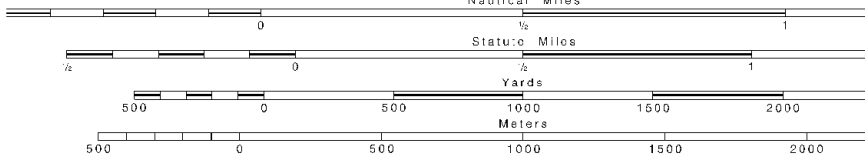
## TIDAL INFORMATION

Place Name (LAT/LONG)	Height referred to datum of soundings (MLLW)			
	Mean Higher High Water	Mean High Water	Mean Low Water	Extreme Low Water
Port Townsend (48°07'N/122°45'W)	feet 8.6	feet 7.9	feet 2.6	feet -5.0
Oak Bay, Admiralty Inlet (48°01'N/122°43'W)	9.4	8.6	2.6	-4.5

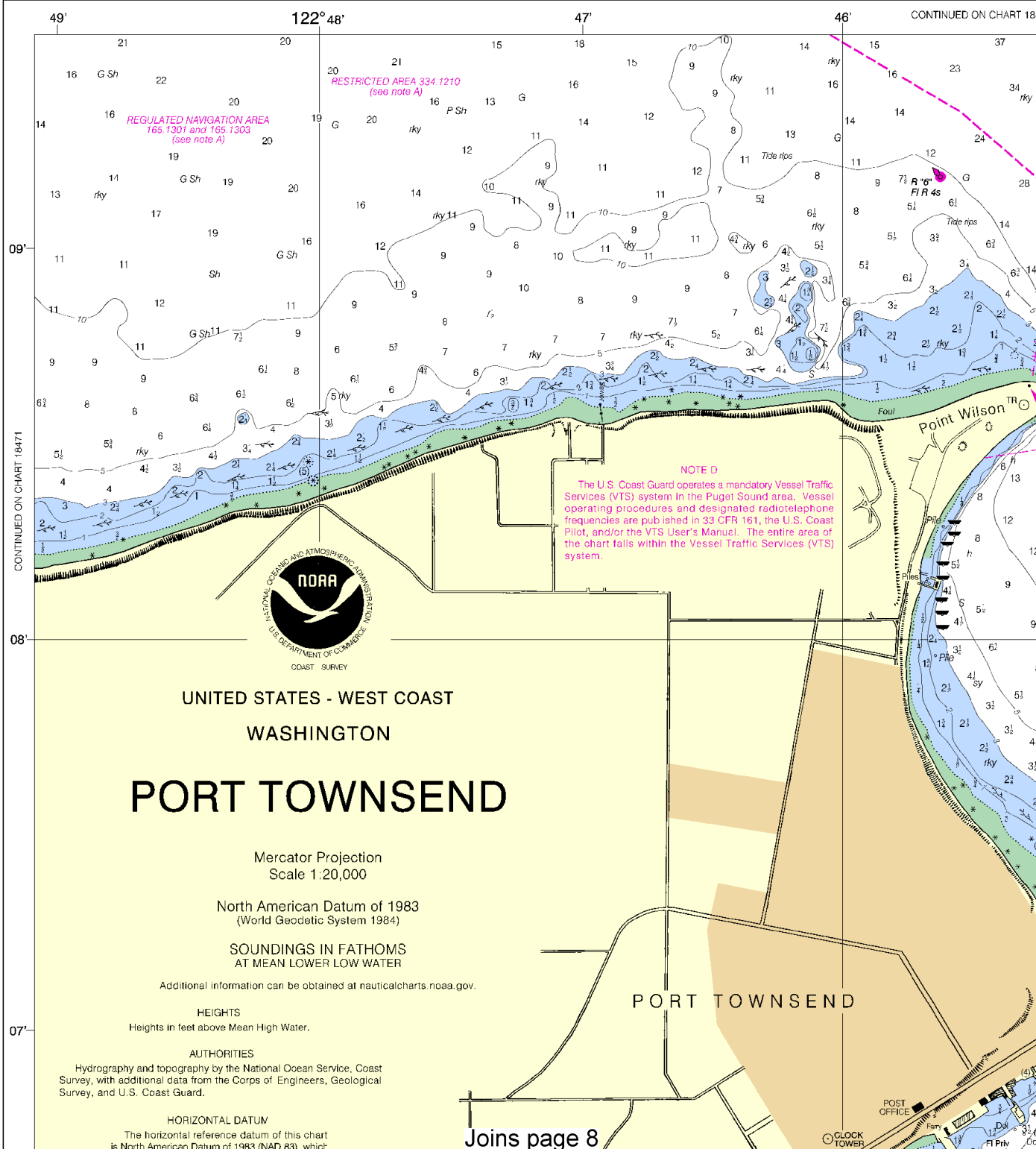
(Jun 2005)

NOAA and its partner, OceanGrafix, offer this chart updated weekly by NOAA for Notices to Mariners and critical corrections. Charts are printed when ordered using Print-on-Demand technology. New Editions are available 5-8 weeks before their release as traditional NOAA charts. Ask your chart agent about Print-on-Demand charts or contact NOAA at 1-800-584-4683, <http://NauticalCharts.gov>, [help@NauticalCharts.gov](mailto:help@NauticalCharts.gov), or OceanGrafix at 1-877-586CHART, <http://OceanGrafix.com>, or [help@OceanGrafix.com](mailto:help@OceanGrafix.com).

Nautical Miles



18464



Joins page 8

Printed at reduced scale.

~~SCALE 1:20,000~~  
Nautical Miles

See Note on page 5.



4







SCALE 1:20,000

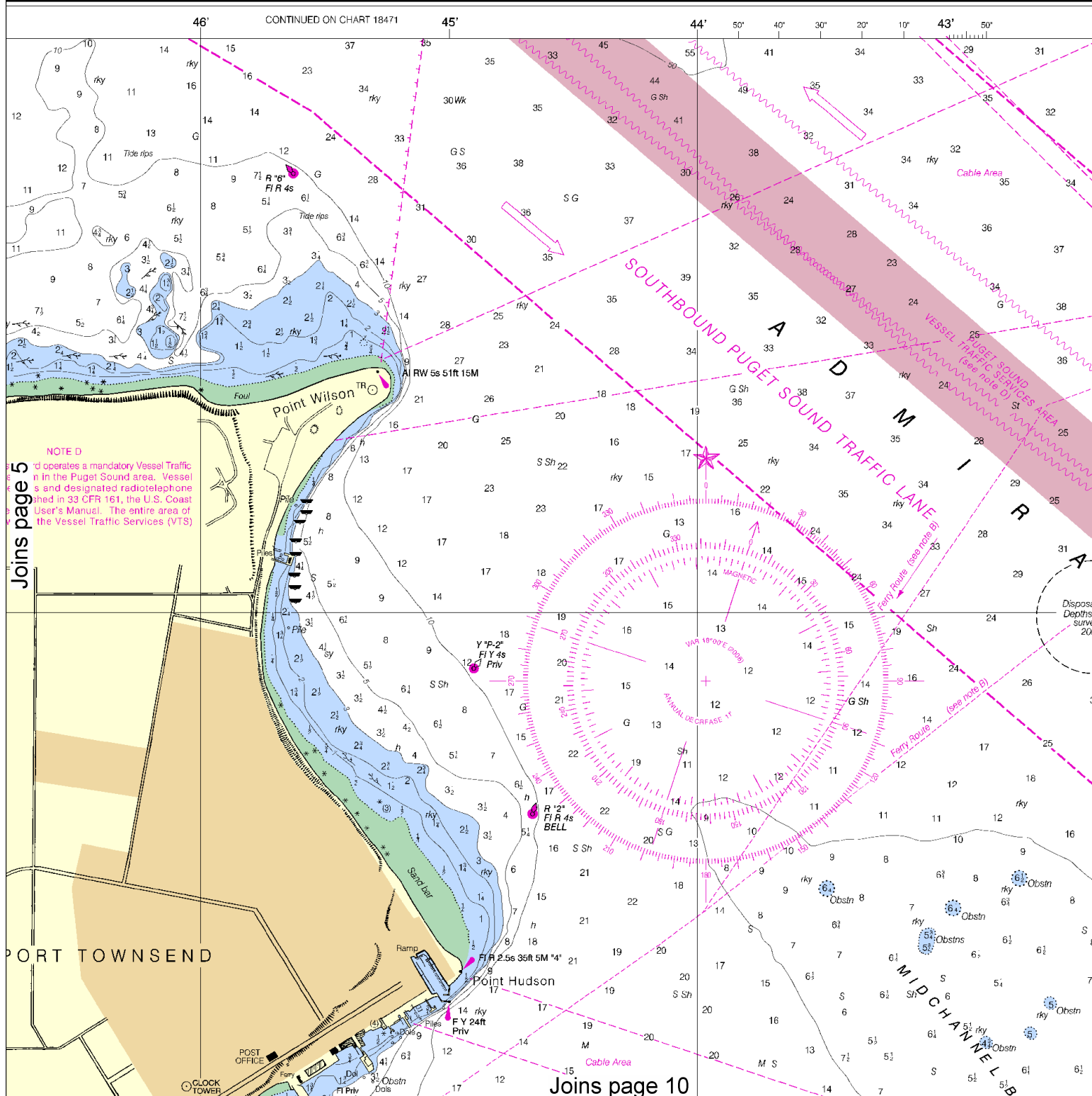
Nautical Miles

Statute Miles

Yards

Meters

Formerly C&GS 5405, 1st Ed., Jan 1892 KAPP 1722



Printed at reduced scale.

SCALE 1:20,000  
Nautical Miles

See Note on page 5.

Yards

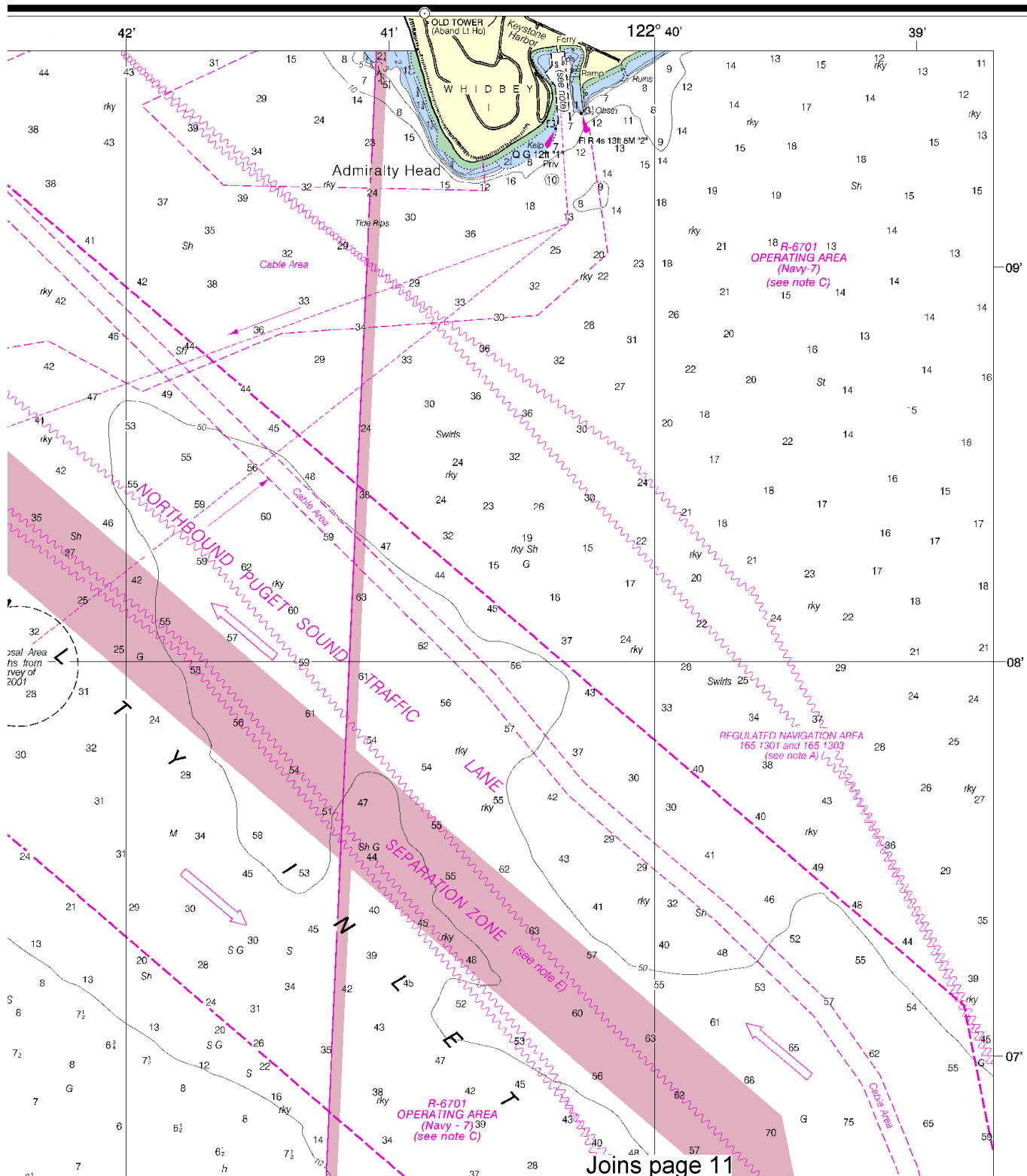
North

KEYSTONE HARBOR  
The controlling depth at MLW was 19½ feet in the Entrance Channel and 8 feet in the Mooring Basin, except for shoaling along the edges of the Basin.

May 2001

## SOUNDINGS IN FATHOMS

18464



Joins page 11

This BookletChart has been updated with: Coast Guard Local Notice To Mariners: 0710 2/16/2010,  
NGA Weekly Notice to Mariners: 0910 2/27/2010,  
Canadian Coast Guard Notice to Mariners: n/a .

7

Joins page 4

# PORT TOWNSEND

Mercator Projection  
Scale 1:20,000

North American Datum of 1983  
(World Geodetic System 1984)

SOUNDINGS IN FATHOMS  
AT MEAN LOWER LOW WATER

Additional information can be obtained at [nauticalcharts.noaa.gov](http://nauticalcharts.noaa.gov).

## HEIGHTS

Heights in feet above Mean High Water.

## AUTHORITIES

Hydrography and topography by the National Ocean Service, Coast Survey, with additional data from the Corps of Engineers, Geological Survey, and U.S. Coast Guard.

## HORIZONTAL DATUM

The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83), which for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 must be corrected an average of 0.673' southward and 4.604" westward to agree with this chart.

## NOTE A

Navigation regulations are published in Chapter 2, U.S. Coast Pilot 7. Additions or revisions to Chapter 2 are published in the Notice to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 13th Coast Guard District in Seattle, Washington or at the Office of the District Engineer, Corps of Engineers in Seattle, Washington.

Refer to charted regulation section numbers.

## WARNING

The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

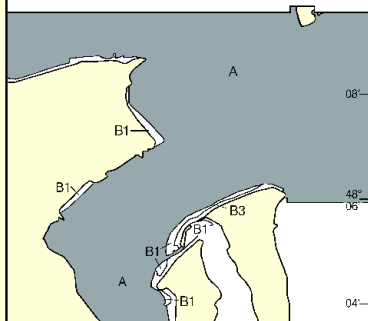
07'

48° 06'

05'

50'

SOURCE		
A	1990-2002	NOS Surveys
B1	1990-2001	NOS Surveys
B2	1970-1989	NOS Surveys
B3	1940-1969	NOS Surveys



Joins page 12

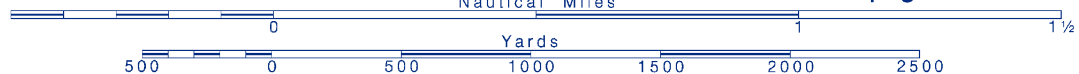
8



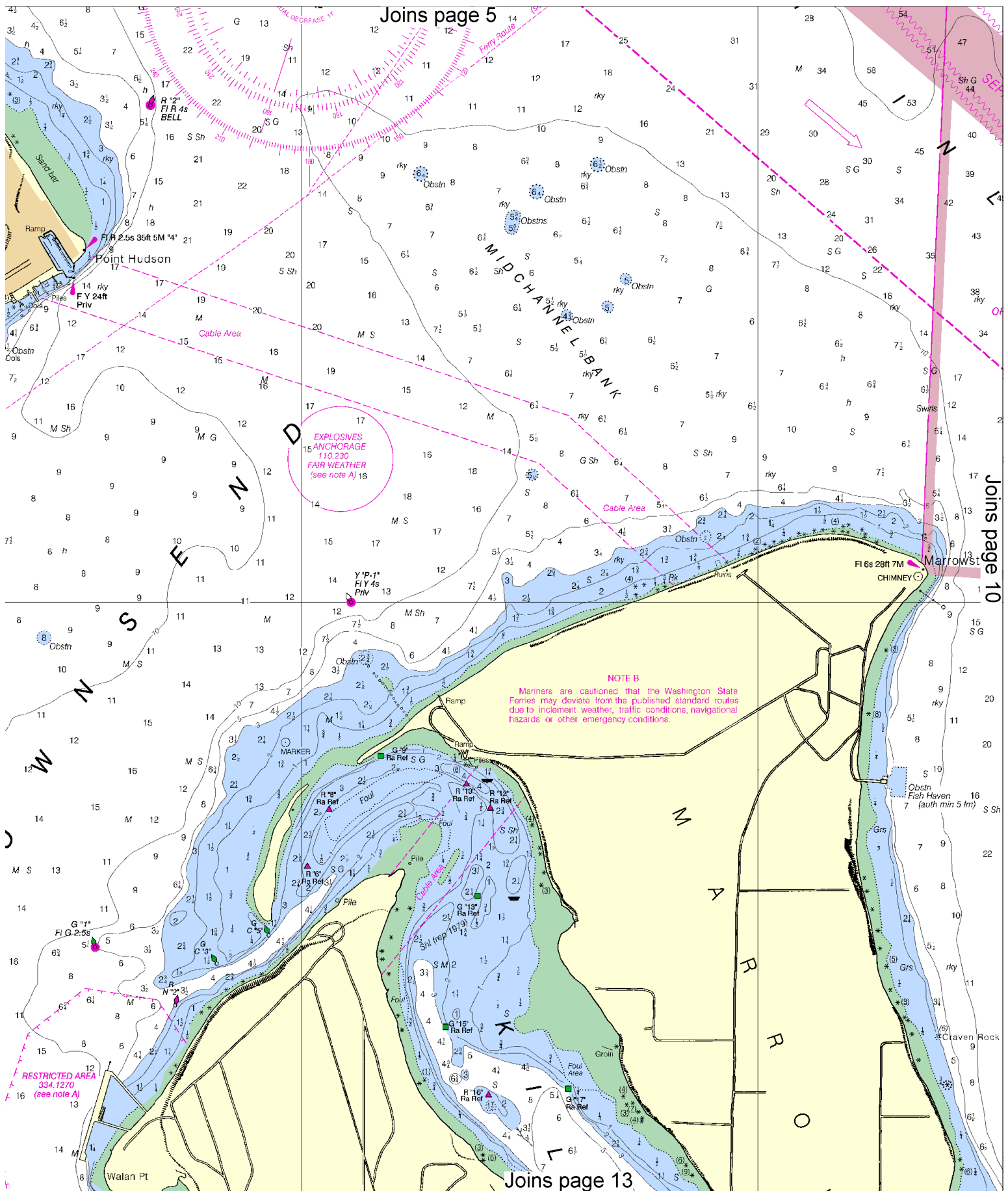
Printed at reduced scale.

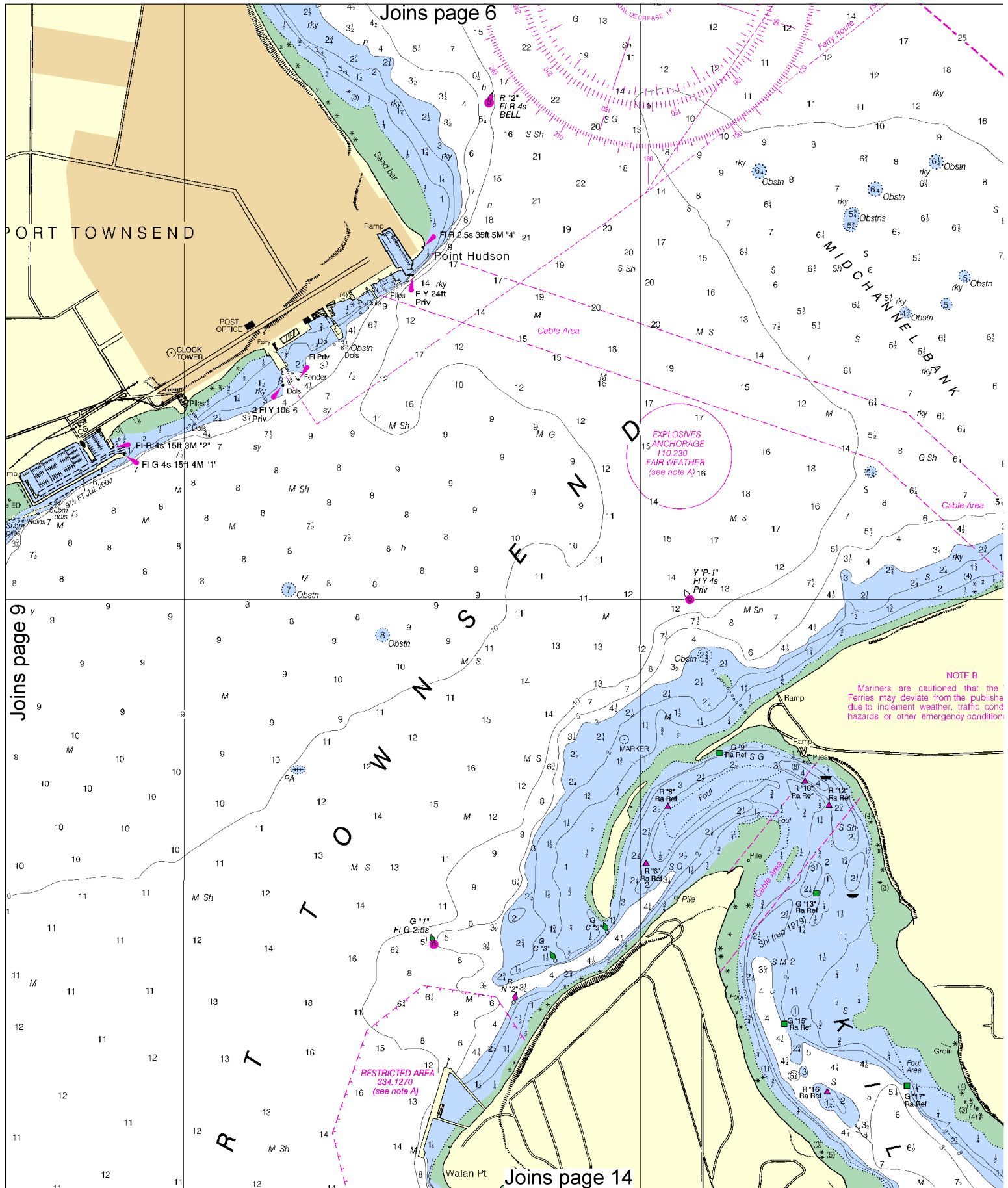
SCALE 1:20,000  
Nautical Miles

See Note on page 5.









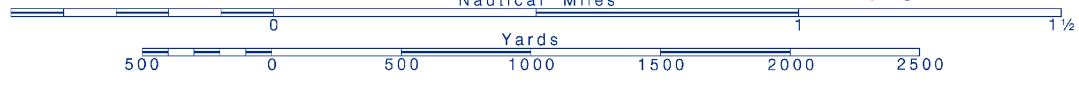
10



Printed at reduced scale.

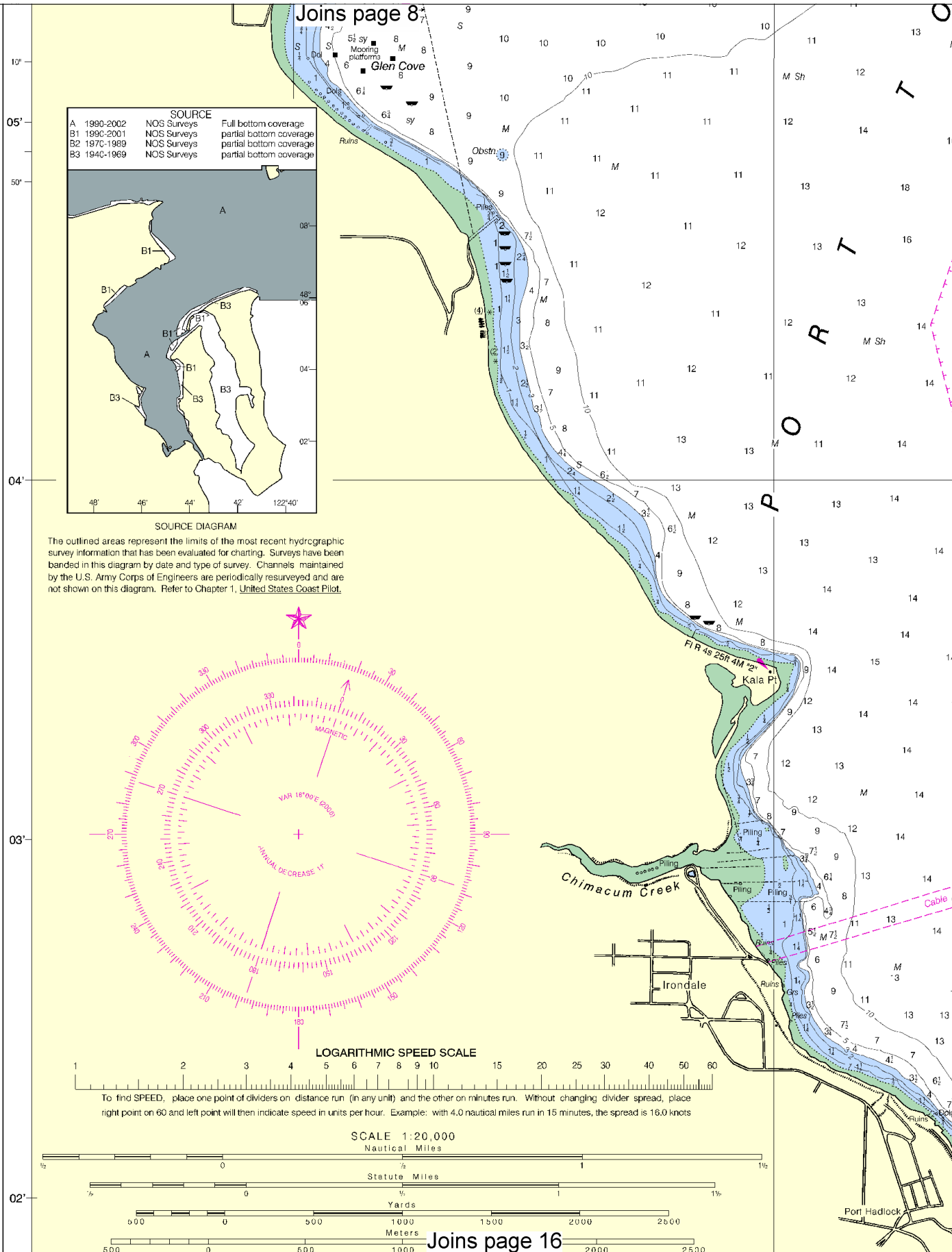
SCALE 1:20,000  
Nautical Miles

See Note on page 5.









12



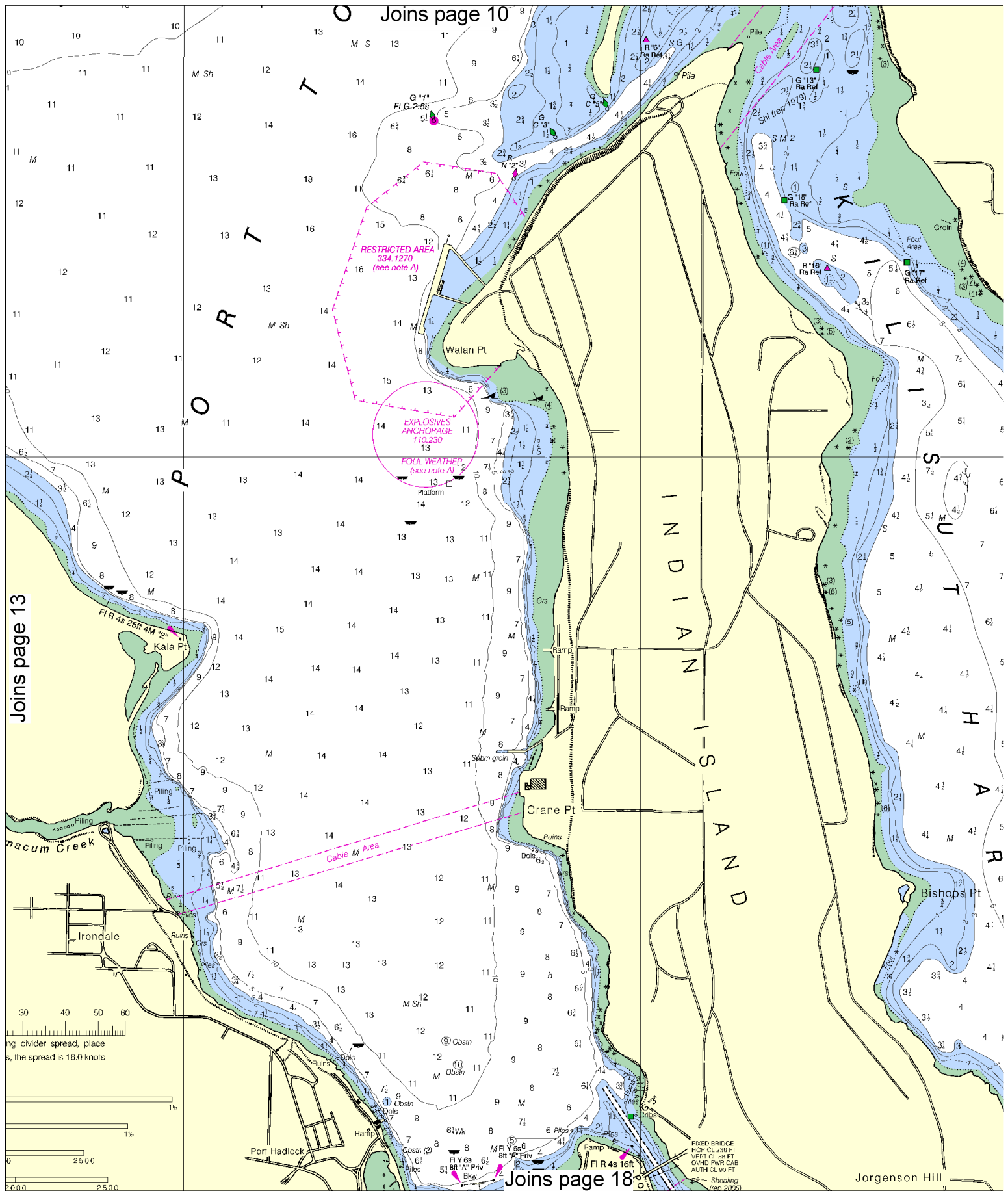
Printed at reduced scale.

SCALE 1:20,000  
Nautical Miles

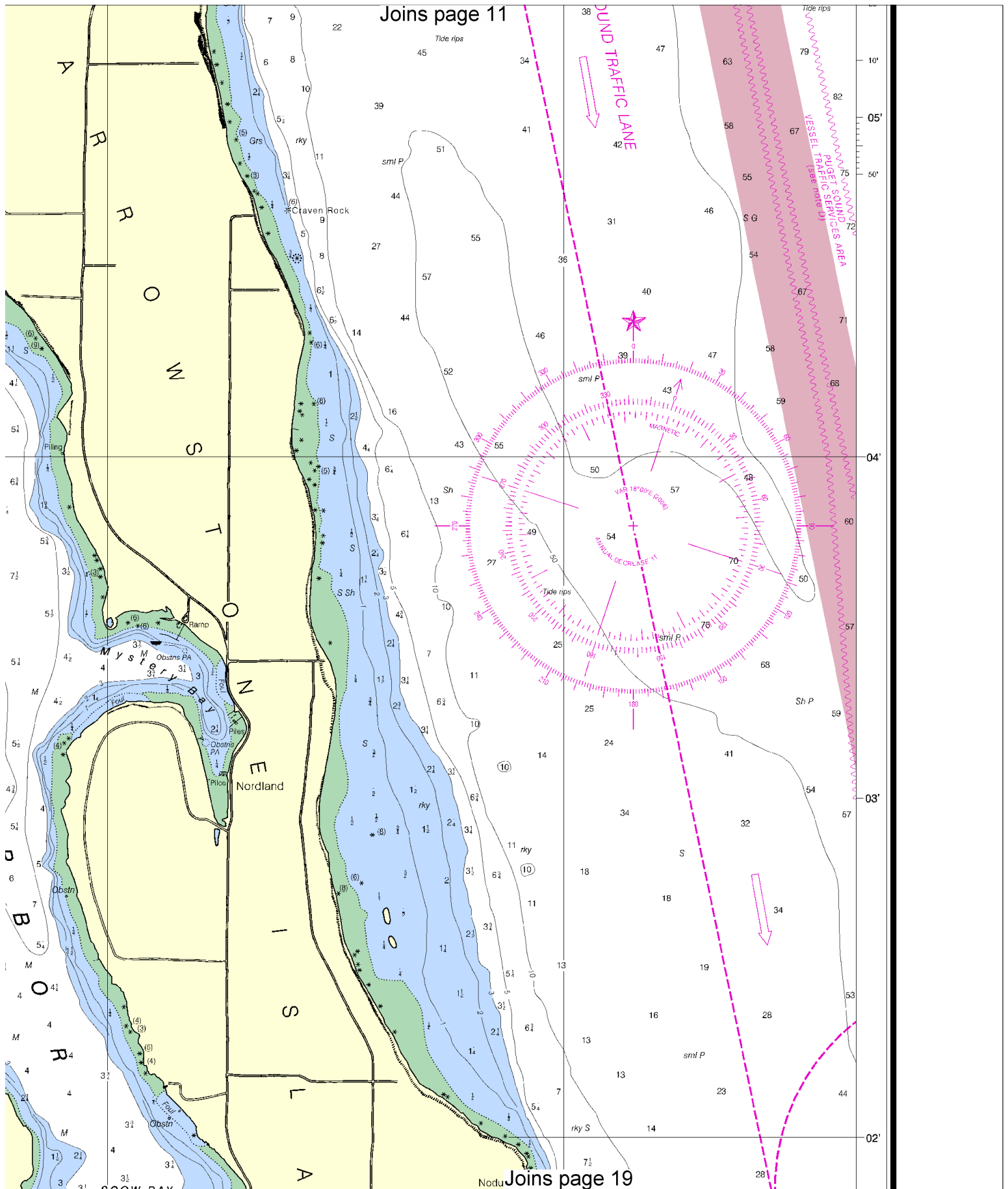
See Note on page 5.



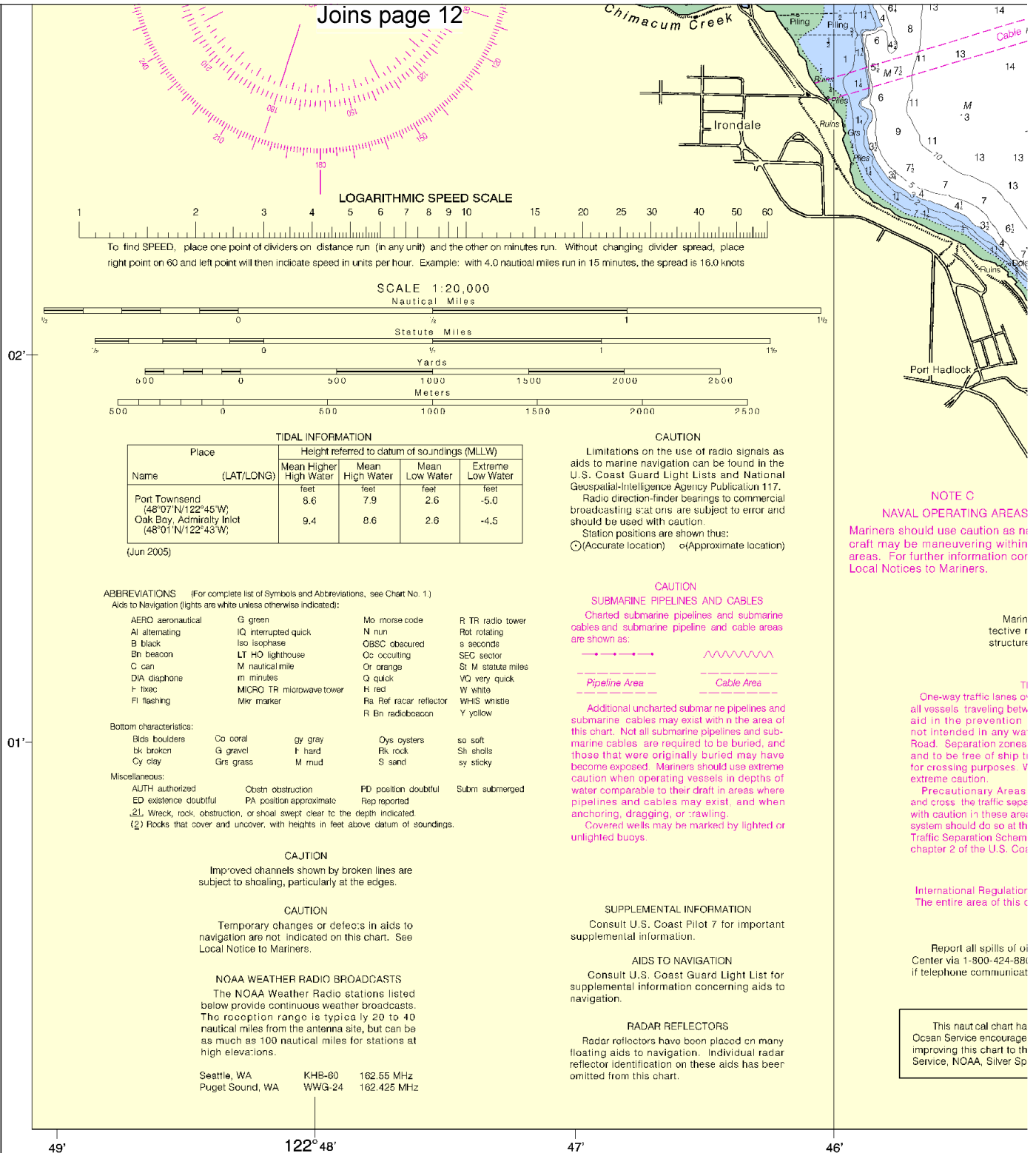








Joins page 12



25th Ed., Jul. / 06 ■ Corrected through NM, Jul. 01/06  
Corrected through LNM Jun. 20/06

18464

SOUNDINGS IN FA

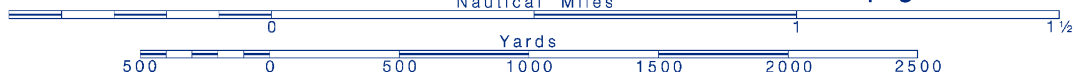
16

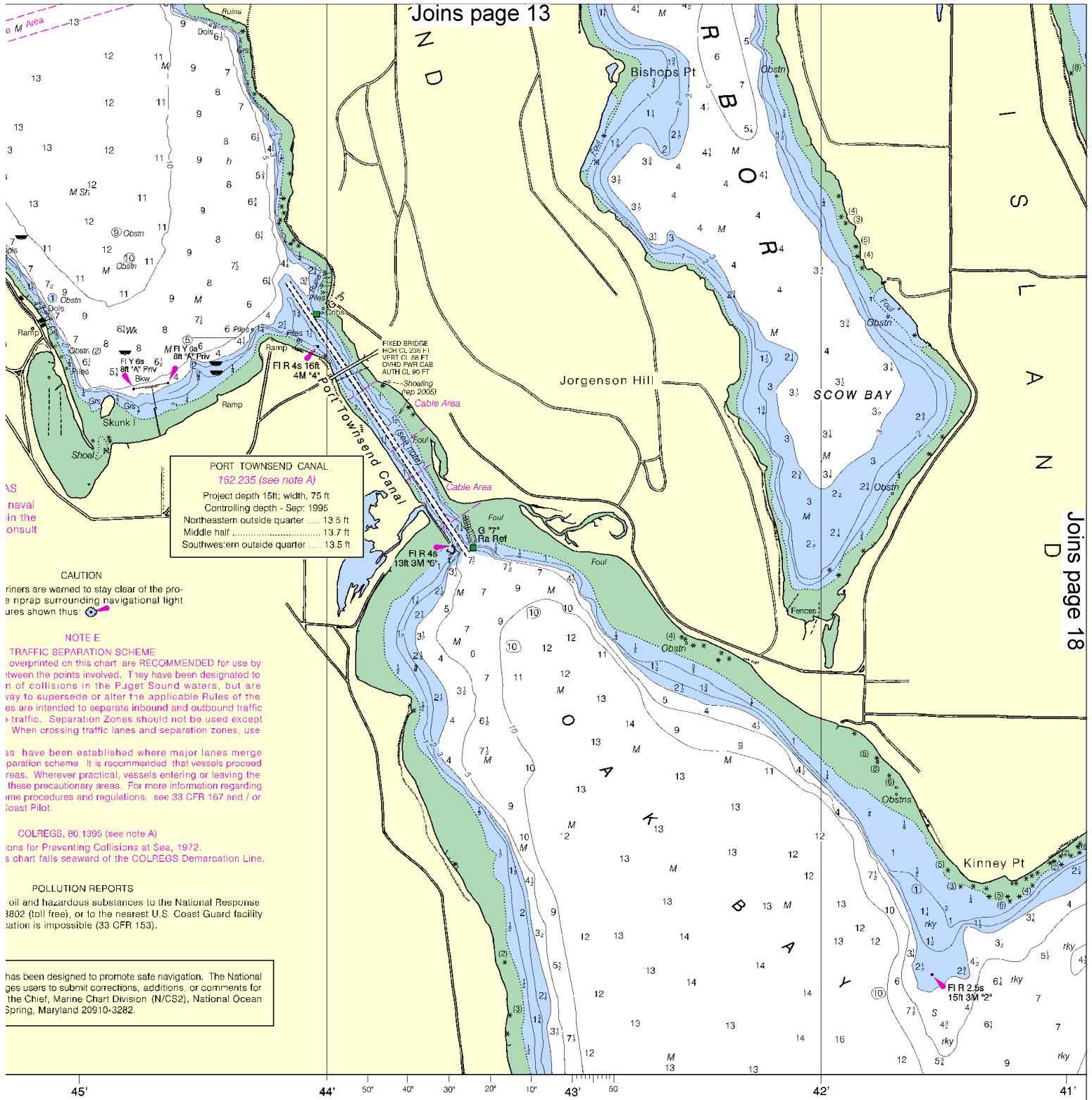


Printed at reduced scale.

SCALE 1:20,000  
Nautical Miles

See Note on page 5.





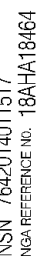
ATHOMS

Published at Washington, D.C.  
 U.S. DEPARTMENT OF COMMERCE  
 NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
 NATIONAL OCEAN SERVICE  
 COAST SURVEY

FATHOMS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
FEET	0	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102
METERS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17







## EMERGENCY INFORMATION

### VHF Marine Radio channels for use on the waterways:

**Channel 6** – Inter-ship safety communications.

**Channel 9** – Communications between boats and ship-to-coast.

**Channel 13** – Navigation purposes at bridges, locks, and harbors.

**Channel 16 – Emergency, distress and safety calls** to Coast Guard and others, and to initiate calls to other vessels. Contact the other vessel, agree to another channel, and then switch.

**Channel 22A** – Calls between the Coast Guard and the public. Severe weather warnings, hazards to navigation and safety warnings are broadcast here.

**Channels 68, 69, 71, 72 & 78A** – Recreational boat channels.

### Distress Call Procedures

1. Make sure radio is on.
2. Select Channel 16.
3. Press/Hold the transmit button.
4. Clearly say: "MAYDAY, MAYDAY, MAYDAY."
5. Also give: Vessel Name and/or Description; Position and/or Location; Nature of Emergency; Number of People on Board.
6. Release transmit button.
7. Wait for 10 seconds – If no response Repeat MAYDAY Call.

### **HAVE ALL PERSONS PUT ON LIFE JACKETS !!**

**Mobile Phones** – Call 911 for water rescue.

**Coast Guard Search & Rescue** – 206-220-7001

**Coast Guard Port Angeles** – 360-457-4404

**Commercial Vessel Assistance** – 1-800-367-8222

**NOAA Weather Radio** – 162.400 MHz, 162.425 MHz, 162.450 MHz, 162.475 MHz, 162.500 MHz, 162.525 MHz, 162.550 MHz.

**Getting and Giving Help** – Signal other boaters using visual distress signals (flares, orange flag, lights, arm signals); whistles; horns; and on your VHF radio. You are required by law to help boaters in trouble. Respond to distress signals, but do not endanger yourself.



## NOAA CHARTING PUBLICATIONS

**Official NOAA Nautical Charts** – NOAA surveys and charts the national and territorial waters of the U.S., including the Great Lakes. We produce over 1,000 traditional nautical charts covering 3.4 million square nautical miles. Carriage of official NOAA charts is mandatory on the commercial ships that carry our commerce. They are used on every Navy and Coast Guard ship, fishing and passenger vessels, and are widely carried by recreational boaters. NOAA charts are available from official chart agents listed at: [www.NauticalCharts.NOAA.gov](http://www.NauticalCharts.NOAA.gov).

**Official Print-on-Demand Nautical Charts** – These full-scale NOAA charts are updated weekly by NOAA for all Notice to Mariner corrections. They have additional information added in the margin to supplement the chart. Print-on-Demand charts meet all federal chart carriage regulations for charts and updating. Produced under a public/private partnership between NOAA and OceanGrafix, LLC, suppliers of these premium charts are listed at [www.OceanGrafix.com](http://www.OceanGrafix.com).

**Official Electronic Navigational Charts (NOAA ENC<sup>®</sup>)** – ENCs are digital files of each chart's features and their attributes for use in computer-based navigation systems. ENCs comply with standards of the International Hydrographic Organization. ENCs and their updates are available for free from NOAA at [www.NauticalCharts.NOAA.gov](http://www.NauticalCharts.NOAA.gov).

**Official Raster Navigational Charts (NOAA RNC<sup>™</sup>)** – RNCs are geo-referenced digital pictures of NOAA's charts that are suitable for use in computer-based navigation systems. RNCs comply with standards of the International Hydrographic Organization. RNCs and their updates are available for free from NOAA at [www.NauticalCharts.NOAA.gov](http://www.NauticalCharts.NOAA.gov).

**Official BookletCharts<sup>™</sup>** – BookletCharts<sup>™</sup> are reduced scale NOAA charts organized in page-sized pieces. The "Home Edition" can be downloaded from NOAA for free and printed. The Internet address is [www.NauticalCharts.gov/bookletcharts](http://www.NauticalCharts.gov/bookletcharts).

**Official PocketCharts<sup>™</sup>** – PocketCharts<sup>™</sup> are for beginning recreational boaters to use for planning and locating, but not for real navigation. Measuring a convenient 13" by 19", they have a 1/3 scale chart on one side, and safety, boating, and educational information on the reverse. They can be purchased at retail outlets and on the Internet.

**Official U.S. Coast Pilot<sup>®</sup>** – The Coast Pilots are 9 text volumes containing information important to navigators such as channel descriptions, port facilities, anchorages, bridge and cable clearances, currents, prominent features, weather, dangers, and Federal Regulations. They supplement the charts and are available from NOAA chart agents or may be downloaded for free at [www.NauticalCharts.NOAA.gov](http://www.NauticalCharts.NOAA.gov).

**Official On-Line Chart Viewer** – All NOAA nautical charts are viewable here on-line using any Internet browser. Each chart is up-to-date with the most recent Notices to Mariners. Use these on-line charts as a ready reference or planning tool. The Internet address is [www.NauticalCharts.gov/viewer](http://www.NauticalCharts.gov/viewer).

**Official Nautical Chart Catalogs** – Large format, regional catalogs are available for free from official chart agents. Page size, state catalogs are posted on the Internet and can be printed at home for free. Go to <http://NauticalCharts.NOAA.gov/mcd/ccatalogs.htm>.

**Internet Sites:** [www.NauticalCharts.NOAA.gov](http://www.NauticalCharts.NOAA.gov), [www.NOAA.gov](http://www.NOAA.gov), [www.TidesandCurrents.NOAA.gov](http://www.TidesandCurrents.NOAA.gov), [www.NOS.NOAA.gov](http://www.NOS.NOAA.gov).